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ABSTRACT

Data collected from student applications, personal history forms, class registrations, placement tests, and financial records were examined to derive a personal, academic, and financial profile of the 2,316 new and transfer students who entered Kapiolani Community College during Fall 1980. Selected findings indicate that: (1) most of the students were unmarried (88%), female (63%), and under 21 years of age (65%); (2) approximately the same proportion of students declared a major in the liberal arts (45%) as in vocational areas (44%); (3) nearly 75% were new to higher education; (4) 60% had graduated from Oahu public high schools; (5) only 111 students received financial aid; (6) the average financial aid award was $1,496; and (7) females received financial aid at a ratio of approximately three to one over males. Placement test results indicate that 729 of the students needed remedial work in English, and 1,004 required remedial work in mathematics; however, less than 50% of the students enrolled in a remedial English or mathematics course. Included in the study report are data tables illustrating the findings of the study for six program areas: liberal arts, business, health services, food services and hotel operations, public services, and undeclared majors. (JP)

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ED194177

SELECTED CHARACTERISTICS OF FALL 1980 ENTERING STUDENTS

Report 8
Student Flow Program

U S DEPARTMENT OF HEALTH, EDUCATION & WELFARE
NATIONAL INSTITUTE OF EDUCATION

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Office of the Provost
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A. Introduction

Enrollment data and student characteristics command a great deal of interest because these indicate and describe the types of "clientele" served by an educational institution. Kapiolani Community College is fortunate to be part of the University of Hawaii, a system which provides its campuses with a considerable amount of data. However, the data are presented in reports designed for comparative purposes and, therefore, campus details are somewhat limited.

This report details selected characteristics of Kapiolani's Fall 1980 entering students. Most of the characteristics are also used in the University's reports to describe Kapiolani's general population.[1] Two other characteristics were added to KCC's Student Flow Program after studying Entry and Exit[2]: financial aid awards and placement test results (math and English).

1. Population

The primary focus of this report is the group of new and transfer students who entered Kapiolani Community College in Fall 1980. "New" students are students new to higher education (and should not be confused with the term used at KCC during registration, which, in fact, includes new, transfer, and returning students), and "transfer" students are those with some previous collegiate credits enrolling at Kapiolani for the first time.

2. Sources of Data

This report cites data extracted from three sources:

a. Student applications, personal history forms, and student class registrations (maintained at the system's office, SIS and SER files)

b. KCC's placement test file

c. Records kept by KCC's financial aid officer

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[1]See University of Hawaii, Office of Institutional Research and Analysis, "Fall Enrollment Report, University of Hawaii, Community Colleges, Fall 1980," (October 1980).

[2]Baseline data on student progression and persistence and recommendations are contained in two documents: (a) Entry and Exit by Mildred D. Kosaki, assisted by Irene T. O. Nakamura and Hubert Pang and (b) "Student Progression and Persistence at Kapiolani Community College" adapted for Kapiolani Community College by Irene H. Nakamura.

B. Highlights

The data are presented in three sections. The first deals with the personal and academic characteristics of entering students. These are similar to those used in the Fall 1975 Student Flow Project. In Section 2 are data on financial aid awards. The third section includes placement test results as well as a discussion on the recommended English and math courses for new students only, and a brief report on the number of students who enrolled in a math or English course.

1. Dominant Personal and Academic Characteristics

Among the 4,966 students enrolled at Kapiolani in Fall 1980 are 2,316 (46%) entering students. Table 1 summarizes the dominant personal and academic characteristics of these students, by program. In general, Fall 1980 entering students are: females (63%), young (21 and below, 65%), and unmarried (88%). Close to three-fourths are new to higher education, and almost three-fifths graduated from Oahu public high schools.

TABLE 1

DOMINANT CHARACTERISTICS[a]
OF ENTERING STUDENTS, BY PROGRAM
KAPIOLANI COMMUNITY COLLEGE
FALL 1980

CHARACTERISTIC	Total	Liberal Arts	Business Educ[b]	Health Svcs	Food Svcs & Hoper	Public Svcs (Legal Asst)	Unclassified
TOTAL	2,316	1,050	566	92	333	31	244
SEX	63% female	57% female	74% female	82% female	54% male	84% female	70% female
AGE	38% below 19 27% 19-21	42% below 19 29% 19-21	36% below 19 33% 19-21	26% 22-24 24% over 29 21% 19-21, 25-29	52% below 19	39% over 29 26% 22-24, 25-29	29% over 29 22% 25-29 20% 19-21
MARITAL STATUS	88% unmarried	92% unmarried	89% unmarried	71% unmarried	93% unmarried	65% unmarried	71% unmarried
HIGH SCHOOL BACKGROUND	59% public, Oahu	59% public, Oahu	60% public, Oahu	51% public, Oahu	67% public, Oahu	36% public, Oahu 29% Mainland, possession	51% public, Oahu
ENTRY STATUS	72% new	73% new	73% new	59% transfer	84% new	58% transfer	58% new
ENROLLMENT STATUS	50% full-time 50% part-time	53% full-time	53% part-time	95% full-time	57% full-time	77% part-time	77% part-time
EDUCATIONAL OBJECTIVE	45% AA 32% AS	100% AA	75% AS	69% certificate	74% AS	100% AS	100% none

[a]The "dominant characteristic" is the subgroup(s) describing a majority (or plurality) of entering students.

[b]"Hotel Operations" majors have been transferred from Business Education to the newly created (Fall 1980) Food Services and Hospitality Education Department.

It should be noted that about the same proportion declared a major in liberal arts (45%) and in vocational programs (44%). The majority of students in food services and hotel operations is below 19 years of age, while the plurality of entering students in liberal arts and business is age 21 or below. Also noteworthy is the predominance of transfer students in the health services and legal assisting programs. Unlike most programs, there are many full-time students (95%) in health services and females predominate in all programs except food services and hotel operations.

The data in Table 1 can be further studied to obtain a profile of entering students in each program. For further details on each characteristic, see Appendixes A and B.

2. Financial Aid Awards

Data on financial aid awards to entering students are provided in Table 2. "Financial aid" is defined as the total dollar amount awarded to students in the form of grants, loans, and work/study.

TABLE 2

FINANCIAL AID AWARDS
TO ENTERING STUDENTS, BY PROGRAM
KAPIOLANI COMMUNITY COLLEGE
FALL 1980

FINAID	COUNT / COL PCT	LIBERAL ARTS 1	BUSINESS 2	HEALTH SERVICES 3	FOOD SVC & HOPER* 4	PUBLIC SERVICE 5	UNCLASSIFIED 6	ROW TOTAL
0 NO FINANCIAL AID		1006	522	87	315	31	244	2205
		95.8	92.2	94.6	94.6	100.0	100.0	95.2
1 BELOW $1,000		23	21	3	6	0	0	53
		2.2	3.7	3.3	1.8	0.0	0.0	2.3
2 $1,000 - $1,999		10	10	2	4	0	0	26
		1.0	1.8	2.2	1.2	0.0	0.0	1.1
3 $2,000 - $2,999		7	8	0	6	0	0	21
		0.7	1.4	0.0	1.8	0.0	0.0	0.9
4 $3,000 & ABOVE		4	5	0	2	0	0	11
		0.4	0.9	0.0	0.6	0.0	0.0	0.5
COLUMN TOTAL		1050	566	92	333	31	244	2316
		45.3	24.4	4.0	14.4	1.3	10.5	100.0

What is evident in Table 2 is the small number (5%) of entering students who receive some form of campus-awarded financial aid. Of the 111 students receiving such awards, 44 are in liberal arts, 44 in business, 18 in food services and hotel operations, and 5 in health services. More details, by program, are given for the students who receive financial aid (Table 3). Almost one-half of the awards is for an amount under $1,000 (48%), about equal numbers have awards between $1,000-$1,999 and $2,000-$2,999. Relatively few (10%) receive $3,000 or more in financial aid.

TABLE 3

DOMINANT CHARACTERISTICS
OF STUDENTS RECEIVING FINANCIAL AID, BY PROGRAM[a]
KAPIOLANI COMMUNITY COLLEGE
FALL 1980

CHARACTERISTIC	Total	Liberal Arts	Business Educ	Health Svcs	Food Svc/Hoper
TOTAL	111	44	44	5	18
FINANCIAL NEED	30% $3000 & Above 26% $2000-$2999 26% Below $1000	34% $3000 & Above 27% $2000-$2999	30% Below $1000 25% $3000 & Above 25% $2000-$2999	40% $3000 & Above 40% Below $1000	33% $2000-$2999 28% $3000 & Above
NEED AVERAGE	$2168	$2375	$1989	$1945	$2165
FINANCIAL AID (AWARD)	48% Below $1000 23% $1000-$1999	52% Below $1000	48% Below $1000 23% $1000-$1999	60% Below $1000	33% Below $1000 33% $2000-$2999
AWARD AVERAGE	$1496	$1378	$1573	$1085	$1710
AID/NEED RATIO	45% 95%-100% 41% Below 50%	43% Below 50% 39% 95%-100%	50% 95%-100%	80% Below 50%	56% 95%-100%
RATIO AVERAGE[b]	63%	58%	67%	32%	70%
FINANCIAL AID PACKAGE[c]	50% Other	27% Grants only 45% Other	50% Other	40% Grants only 40% Other	61% Other

[a] Omitted from this table are the groups, legal assistant program and unclassified students, in which no student receives campus awarded financial aid.

[b] The ratio average was calculated using the raw data and not by dividing the award average by the need average.

[c] Possible financial aid packages: tuition only, grants only, tuition and grants, other (various combinations of tuition, grants, loans and work/study).

Students who receive financial aid declare an average need of $2,168 and receive an average award of $1,496. For the total group, their awards, on the average, represented 63 percent of their financial need. Approximately 50 percent of these students accept financial aid packages, which include loans and/or college work/study.

Overall, food services and hotel operations majors receive the largest financial aid support ($1,710 average), followed by the business education student ($1,573 average), while the health services majors receive the smallest ($1,085 average). More students in food services and hotel

operations (61%) accept loans and/or college work/study as part of their financial aid package. Based on this broader base of aid, food services and hotel operations majors receive awards of approximately 70 percent of their need. Similarly, business and liberal arts majors receive awards representing 67 percent and 58 percent, respectively, of their need. This ratio, however, is only 32 percent for health services majors.

Table 4 details dominant characteristics, by sex, for students receiving financial aid.

TABLE 4

DOMINANT CHARACTERISTICS
OF STUDENTS RECEIVING FINANCIAL AID, BY SEX
KAPIOLANI COMMUNITY COLLEGE
FALL 1980

CHARACTERISTIC	Total	Female	Male
TOTAL	111	84	27
FINANCIAL NEED	30% $3000 & Above 26% $2000-$2999 26% Below $1000	30% $3000 & Above 29% Below $1000	30% $3000 & Above 30% $2000-$2999
NEED AVERAGE	$2168	$2099	$2383
FINANCIAL AID (AWARD)	48% Below $1000 23% $1000-$1999	50% Below $1000	41% Below $1000 30% $1000-$1999
AWARD AVERAGE	$1496	$1480	$1545
AID/NEED RATIO	45% 95%-100% 41% Below 50%	44% 95%-100% 41% Below 50%	48% 95%-100% 41% Below 50%
RATIO AVERAGE	63%	63%	62%
FINANCIAL AID PACKAGE[a]	50% Other	26% Grants only 48% Other	56% Other

[a]Possible financial aid packages: tuition only, grants only, tuition and grants, other (various combinations of tuition, grants, loans and work/study).

Females receive financial aid at a ratio of approximately three to one over males; however, the average award for males ($1,545) is higher than for females ($1,480). Males also are more inclined to accept loans and/or college work/study as part of their award.

The data presented in this section represent highlights of the details, by program and by sex, available in the institutional research unit. However, the actual number of entering students receiving campus-awarded financial aid is very small, and this should be borne in mind in interpreting the findings.

3. Placement Test Results for New Students Only

Kapiolani Community College administers placement tests in English and mathematics to students each semester. As a result of these tests, specific courses in these subject areas are recommended to students. These results can also be helpful to faculty in gaining a better understanding of their entering students.

Data in Table 5 present the placement test results of the new students only, by program, for both English and math. (Appendix C provides the data for all entering students.) It should be noted that about one-sixth of the new students do not have math or English placement test results. The data show that many students need English and math courses below the 100 level.

Of new students with placement test results, 729 are recommended to take a course below Eng 100 and 590, Eng 100 (this includes Eng +100 which is not a course but is used to designate a 13.0 or higher reading level). The proportions of new students who should be taking courses below the 100 level vary by program. However, the differences in these proportions, to a large degree, reflect minimum entry levels of the various programs.

Courses below Math 100 are recommended for a great majority of new students (1,004) and Math 100 or higher for only 397 new students. It should be noted, however, that only liberal arts and some health services programs have course requirements at the Math 100 or higher level; for several other programs, a course at the Math 100 or higher level is only recommended.

TABLE 5

PLACEMENT TEST RESULTS[a]
OF NEW STUDENTS ONLY, BY PROGRAM
KAPIOLANI COMMUNITY COLLEGE
FALL 1980

	COUNT / COL PCT	LIBERAL ARTS 1	BUSINESS 2	HEALTH SERVICES 3	FOOD SVC & HOPER* 4	PUBLIC SERVICE 5	UNCLAS-SIFIED 6	ROW TOTAL
ENGLISH								
NO DATA	0	119	57	2	34	4	41	257
		15.4	13.8	5.3	12.1	30.8	29.1	15.5
ELI 004	1	32	31	0	9	0	7	79
		4.2	7.5	0.0	3.2	0.0	5.0	4.8
ENG 07	2	33	24	0	15	0	6	78
		4.3	5.8	0.0	5.4	0.0	4.3	4.7
ENG 10	3	81	70	0	56	0	11	218
		10.5	17.0	0.0	20.0	0.0	7.8	13.2
ENG 21	4	91	59	0	35	0	12	197
		11.8	14.3	0.0	12.5	0.0	8.5	11.9
ENG 22 OR 50	5	125	54	3	40	0	14	236
		16.2	13.1	7.9	14.3	0.0	9.9	14.3
ENG 100	6	103	63	6	49	1	13	235
		13.4	15.3	15.8	17.5	7.7	9.2	14.2
ENG +100	7	187	54	27	42	8	37	355
		24.3	13.1	71.1	15.0	61.5	26.2	21.5
	COLUMN TOTAL	771	412	38	280	13	141	1655
		46.6	24.9	2.3	16.9	0.8	8.5	100.0
MATHEMATICS								
NO DATA	0	115	57	2	33	6	41	254
		14.9	13.8	5.3	11.8	46.2	29.1	15.3
MATH 01	1	148	101	2	97	0	36	384
		19.2	24.5	5.3	34.6	0.0	25.5	23.2
MATH 24*	2	189	100	6	74	3	31	403
		24.5	24.3	15.8	26.4	23.1	22.0	24.4
MATH 25	3	103	51	8	39	2	14	217
		13.4	12.4	21.1	13.9	15.4	9.9	13.1
M 27,100-ICS 112	4	107	51	13	27	2	8	208
		13.9	12.4	34.2	9.6	15.4	5.7	12.6
M 130,115-CM 121	5	68	26	4	7	0	4	109
		8.8	6.3	10.5	2.5	0.0	2.8	6.6
MATH 140	6	41	26	3	3	0	7	80
		5.3	6.3	7.9	1.1	0.0	5.0	4.8
	COLUMN TOTAL	771	412	38	280	13	141	1655
		46.6	24.9	2.3	16.9	0.8	8.5	100.0

[a]The courses listed above represent the following:

	Entry Reading Level		Skills Taught
ELI 4	Below 6.0	Math 1	Basic Mathematics
ENG 7	6.0	Math 24*	Elem Algebra, I; Bus 55
ENG 10	7.0	Math 25	Elem Algebra, II
ENG 21	8.7	Math 27	Inter Algebra
ENG 22 or 50	10.0	Math 100	Survey of Math
ENG 100	11.5	ICS 112	Computer Science
ENG +100	13.0	Math 115	Statistics
		Math 130	Pre-Calculus, Coll Algebra
		QM 121	Quantitative Methods, I
		Math 140	Pre-Calculus, Trig/An Geom

Several combinations of basic math and English courses are given in Table 6. It should be pointed out that in some programs (liberal arts, health services), these combinations are developmental, i.e., necessary to meet the prerequisites of certain required courses. However, a few of the combinations meet the requirements in most vocational programs. Also, these combinations were selected because of their planning value, especially in the area of scheduling for the basic studies/ developmental education program.

TABLE 6

BASIC MATH/ENGLISH COMBINATIONS
FOR NEW STUDENTS WITH PLACEMENT TEST RESULTS, BY PROGRAM
KAPIOLANI COMMUNITY COLLEGE
FALL 1980

	Liberal Arts	Business Educ	Health Svc	Food/Hoper	Public Svc	Unclassified	Total
TOTAL W/ RESULTS, H%	656 85%	355 86%	36 95%	247 88%	7 54%	100 71%	1401
Math 1, ELI 004	13	14	0	5	0	4	36
Math 1, Eng 07	16	12	0	11	0	2	41
Math 1, Eng 10	28	24	0	32	0	8	92
Math 1, Eng 21	27	20	0	12	0	4	63
Math 1, Eng 22, 50	22	13	1	19	0	6	61
M_1 SUBTOTAL	106	83	1	79	0	24	293
Math 24, ELI 004	9	3	0	4	0	1	17
Math 24, Eng 07	7	7	0	4	0	2	20
Math 24, Eng 10	18	16	0	14	0	1	49
Math 24, Eng 21	28	15	0	13	0	3	59
Math 24, Eng 22, 50	41	19	0	10	0	3	73
M_2 SUBTOTAL	103	60	0	45	0	10	218
Math 25, ELI 004	2	5	0	0	0	0	7
Math 25, Eng 07	1	1	0	0	0	1	3
Math 25, Eng 10	10	10	0	5	0	2	27
Math 25, Eng 21	18	8	0	6	0	3	35
Math 25, Eng 22, 50	16	6	2	6	0	4	34
M_3 SUBTOTAL	47	30	2	17	0	10	106
LISTED TOTAL PERCENT (V%)	256 (39%)	173 (49%)	3 (8%)	141 (57%)	- -	44 (44%)	617 (44%)

A special study was undertaken to determine the proportions of new students who enrolled in English or math courses in terms of whether those courses were at the recommended, lower, or higher levels, according to placement test results. Our findings are presented in Table 7.

TABLE 7

PLACEMENT TEST RESULTS AND ENROLLMENT IN MATH AND ENGLISH COURSES, BY PROGRAM
KAPIOLANI COMMUNITY COLLEGE
FALL 1980

Placement Test Recommendation Levels	Total (N = 1,655) N	V%	Enrolled in Level of Course Which Is: Recommended N	H%	Lower N	H%	Higher N	H%	Not Enrolled In N	H%
Math, Total	1,401	85%	385	28%	129	9%	44	3%	843	60%
Math 1	384	23%	173	45%	-		16	4%	195	51%
Math 24; Bus 55	403	24%	124	31%	11	3%	5	1%	263	65%
Math 25	217	13%	18	8%	47	22%	4	2%	148	68%
Math 27, 100; ICS 112	208	13%	26	13%	35	17%	5	2%	142	68%
Math 130; QM 121	109	7%	33	30%	18	17%	3	3%	55	51%
Math 140	80	5%	11	14%	18	23%	11	14%	40	50%
No Score	254	15%								
Eng, Total	1,398	84%	426	31%	52	4%	42	3%	878	63%
ELI 4	79	5%	40	51%	-		8	10%	31	39%
Eng 7	78	5%	26	33%	3	4%	7	9%	42	54%
Eng 10	218	13%	77	35%	5	2%	6	3%	130	60%
Eng 21	197	12%	73	37%	7	4%	18	9%	99	50%
Eng 22 or 50	236	14%	93	39%	7	3%	3	1%	133	56%
Eng 100	235	14%	37	16%	17	7%	-		181	77%
Eng +100	355	22%	80	23%	13	4%	-		262	74%
No Score	257	16%								

It is disappointing to note that relatively few of the new students with placement test results enrolled in a math (40%) or English (37%) course. About one-third or more of the new students were able to enroll in their recommended course in: ELI 004 (51%), Math 001 (45%), Eng 22 or 50 (39%), Eng 21 (37%), Eng 10 (35%), Eng 07 (33%), and Math 24 (31%).

Data similar to those in Table 7 and Appendix E are available in the institutional research unit for all entering students with placement test results.

C. Summary and Concluding Comments

The data presented in this report, coupled with baseline data from Fall 1975 (personal and academic characteristics) and Fall 1979 (financial aid awards and placement test results),[4] provide campus personnel with useful information for their planning efforts.

1. Comparative Summaries of Selected Characteristics

A comparison of Fall 1975 and Fall 1980 (with available Fall 1979 data given) entering students on selected personal and academic characteristics is given below:

	Fall 1975	Fall 1979	Fall 1980
Total number	1,997	2,005	2,316
Females	64%	61%	63%
Below 19 years old	47%	43%	38%
Unmarried	82%	88%	88%
Oahu, public h. s. graduates	62%	60%	59%
New students	73%	70%	72%
Part-time students	54%	51%	50%
Liberal arts majors	32%	44%	45%[5]
Business majors	39%	33%	24%

The data above show decreases in the proportions of Fall 1980 students, compared to those in Fall 1975, in most categories: below 19 years old at entry, Oahu public high school graduates, part-time students (a continuing decline through Fall 1979), and females and new students (up slightly compared to Fall 1979). The big change is in the distribution of majors: a 13 percent increase in liberal arts (from 32% to 45%).

It is evident from the data that the number of entering students who receive school monitored financial aid is small. Since financial aid data were not included in the Fall 1975 study, the Fall 1979 data are used in the comparison below:

	Fall 1979	Fall 1980
Financial Aid Recipients	126 (6%)	111 (5%)
Average Need	$2,048	$2,168
Average Award	$1,501	$1,496
Award/Need Ratio[6]	63%	63%

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[4] As reported in "Selected Characteristics of Fall 1979 Entering Students" (KSFP Report No. 2).

[5] No longer includes "Hotel Operations" majors. If they are included, the proportion would be 31 percent.

[6] The award/need ratio is calculated using the raw data, not by dividing average award by average need.

There are slight decreases in the number of students receiving financial aid and in the average award. However, the award/need ratio is the same for both years.

A comparison of Fall 1979 and Fall 1980 placement test results is given for new students only:

		Fall 1979	Fall 1980
New Students, only		1,399	1,655
Math:	No Test Score	201 *(14%)*	254 *(15%)*
	Math 1	350 *(25%)*	384 *(23%)*
	Math 24; Bus 55	317 *(23%)*	403 *(24%)*
	Math 25	220 *(16%)*	217 *(13%)*
	Math 27, 100; ICS 112	181 *(13%)*	208 *(13%)*
	Math 130; QM 121	80 *(6%)*	109 *(7%)*
	Math 140	50 *(4%)*	80 *(5%)*
English:	No Test Score	200 *(14%)*	257 *(16%)*
	ELI 4	65 *(5%)*	79 *(5%)*
	Eng 7	62 *(4%)*	78 *(5%)*
	Eng 10	181 *(13%)*	218 *(13%)*
	Eng 21	186 *(13%)*	197 *(12%)*
	Eng 22 or 50	232 *(17%)*	236 *(14%)*
	Eng 100	205 *(15%)*	235 *(14%)*
	Eng +100	268 *(19%)*	355 *(22%)*

In general, differences are slight for most categories. However, notable is the slight increase in the numbers (and percent) of new students without a math or English placement test score.

Another set of data dealt with the proportions of new students with placement test scores who enrolled in a math or English course during their first semester. The results for Fall 1979 and Fall 1980 are:

		Fall 1979	Fall 1980
Math:	Enrolled in the		
	Recommended Course	331 *(28%)*	385 *(28%)*
	Lower Course	143 *(12%)*	129 *(9%)*
	Higher Course	39 *(3%)*	44 *(3%)*
	Not Enrolled in Any Math	685 *(57%)*	843 *(60%)*
English:	Enrolled in the		
	Recommended Course	339 *(28%)*	426 *(31%)*
	Lower Course	49 *(4%)*	52 *(4%)*
	Higher Course	52 *(4%)*	42 *(3%)*
	Not Enrolled in Any English	759 *(63%)*	878 *(63%)*

Here, again, most categories show only a slight difference. However, the numbers of students not enrolled in a math course increased.

We should also be concerned about the number who enrolled in courses below their placement test levels. This practice has implications for credit by examination, scheduling of classes on the basis of placement test results, and grading practices in the basic courses.

2. Concluding Comments

We hope that the data in this report, coupled with the results of the Fall 1980 Entering Student Survey (as reported in KSFP Report No. 7), will provide campus personnel with a helpful view of Fall 1980 entering students. As campus personnel study the data and their area(s) of concern, perhaps such questions as the following should be considered:

- Should we continue the policy of making placement tests mandatory for new students?
- Why are more students not enrolled in a math or English course in Fall 1980? Why is there no improvement in the percentages of those enrolled in the recommended courses?
- What effect will the changes in student distribution, by program, have on the workload of the departments?

Changes in the characteristics of entering groups are evident, and the college's ability to respond to these changes rests, to some degree, on the availability and timeliness of essential data on its clientele.

APPENDIX

APPENDIX A

PERSONAL CHARACTERISTICS OF ENTERING STUDENTS, BY PROGRAM KAPIOLANI COMMUNITY COLLEGE FALL 1980

	COUNT / COLUMN PCT	LIBERAL ARTS	BUSINESS	HEALTH SERVICES	FOOD SVC & HOPER*	PUBLIC SERVICE	UNCLAS-SIFIED	ROW TOTAL
TOTAL		1050 45.3	566 24.4	92 4.0	333 14.4	31 1.3	244 10.5	2316 100.0
SEX								
FEMALE		602 57.3	418 73.9	75 81.5	155 46.5	26 83.9	171 70.1	1447 62.5
MALE		448 42.7	148 26.1	17 18.5	178 53.5	5 16.1	73 29.9	869 37.5
AGE								
BELOW 19 YEARS		444 42.3	206 36.4	8 8.7	173 52.0	1 3.2	39 16.0	871 37.6
19-21 YEARS		302 28.8	184 32.5	19 20.7	76 22.8	2 6.5	48 19.7	631 27.2
22-24 YEARS		108 10.3	60 10.6	24 26.1	30 9.0	8 25.8	34 13.9	264 11.4
25-29 YEARS		132 12.6	58 10.2	19 20.7	16 4.8	8 25.8	53 21.7	286 12.3
OVER 29 YEARS		64 6.1	58 10.2	22 23.9	38 11.4	12 38.7	70 28.7	264 11.4
MARITAL STATUS								
NO DATA		0 0.0	1 0.2	0 0.0	0 0.0	0 0.0	0 0.0	1 0.0
UNMARRIED		968 92.2	506 89.4	65 70.7	308 92.5	20 64.5	174 71.3	2041 88.1
MARRIED		82 7.8	59 10.4	27 29.3	25 7.5	11 35.5	70 28.7	274 11.8

APPENDIX B

ACADEMIC CHARACTERISTICS OF ENTERING STUDENTS, BY PROGRAM KAPIOLANI COMMUNITY COLLEGE FALL 1980

	COUNT / COLUMN PCT	LIBERAL ARTS	BUSINESS	HEALTH SERVICES	FOOD SVC & HOPER*	PUBLIC SERVICE	UNCLASSIFIED	ROW TOTAL
TOTAL		1050 45.3	566 24.4	92 4.0	333 14.4	31 1.3	244 10.5	2316 100.0
HIGH SCHOOL BACKGROUND								
NO DATA		1 0.1	3 0.5	1 1.1	0 0.0	0 0.0	0 0.0	5 0.2
PUBLIC, OAHU		622 59.2	340 60.1	47 51.1	224 67.3	11 35.5	125 51.2	1369 59.1
PUBLIC, NGHBR IS		34 3.2	40 7.1	4 4.3	22 6.6	2 6.5	11 4.5	113 4.9
PRIVATE, HAWAII		121 11.5	49 8.7	12 13.0	27 8.1	4 12.9	26 10.7	239 10.3
MAINLAND POSSESN		124 11.8	64 11.3	20 21.7	22 6.6	9 29.0	50 20.5	289 12.5
FOREIGN		83 7.9	48 8.5	5 5.4	17 5.1	4 12.9	16 6.6	173 7.5
OTHER- GED		65 6.2	22 3.9	3 3.3	21 6.3	1 3.2	16 6.6	128 5.5
ENTRY STATUS								
NEW		771 73.4	412 72.8	38 41.3	280 84.1	13 41.9	141 57.8	1655 71.5
TRANSFER		279 26.6	154 27.2	54 58.7	53 15.9	18 58.1	103 42.2	661 28.5
ENROLLMENT STATUS								
FULLTIME		554 52.8	267 47.2	87 94.6	188 56.5	7 22.6	57 23.4	1160 50.1
PARTTIME		496 47.2	299 52.8	5 5.4	145 43.5	24 77.4	187 76.6	1156 49.9
EDUCATIONAL OBJECTIVE								
NONE		0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	244 100.0	244 10.5
CERTIFICATE		0 0.0	140 24.7	63 68.5	87 26.1	0 0.0	0 0.0	290 12.5
ASSOC. SCIENCES		0 0.0	426 75.3	29 31.5	246 73.9	31 100.0	0 0.0	732 31.6
ASSOC. OF ARTS		1050 100.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	1050 45.3

APPENDIX C

PLACEMENT TEST RESULTS OF ENTERING STUDENTS,[a] BY PROGRAM KAPIOLANI COMMUNITY COLLEGE FALL 1980

	COUNT / COLUMN PCT	LIBERAL ARTS 1	BUSINESS 2	HEALTH SERVICES 3	FOOD SVC & HOSPR 4	PUBLIC SERVICE 5	UNCLASSIFIED 6	ROW TOTAL
ENGLISH								
NO DATA		284	154	12	71	6	120	647
		27.0	27.2	13.0	21.3	19.4	49.2	27.9
ELI 004		36	32	0	10	0	8	86
		3.4	5.7	0.0	3.0	0.0	3.3	3.7
ENG 07		36	27	0	15	0	7	85
		3.4	4.8	0.0	4.5	0.0	2.9	3.7
ENG 10		89	78	0	58	0	12	237
		8.5	13.8	0.0	17.4	0.0	4.9	10.2
ENG 21		103	67	0	38	0	13	221
		9.8	11.8	0.0	11.4	0.0	5.3	9.5
ENG 22 OR 50		134	61	4	41	0	[illegible]	255
		12.8	10.8	4.3	12.3	0.0	6.1	11.0
ENG 100		124	75	9	52	1	16	277
		11.8	13.3	9.8	15.6	3.2	6.6	12.0
ENG +100		244	72	67	48	24	53	508
		23.2	12.7	72.8	14.4	77.4	21.7	21.9
	COLUMN TOTAL	1050	566	92	333	31	244	2316
		45.3	24.4	4.0	14.4	1.3	10.5	100.0
MATHEMATICS								
NO DATA		278	150	12	70	11	121	642
		26.5	26.5	13.0	21.0	35.5	49.6	27.7
MATH 01		171	119	4	102	1	40	437
		16.3	21.0	4.3	30.6	3.2	16.4	18.9
MATH 24*		217	112	8	75	7	37	456
		20.7	19.8	8.7	22.5	22.6	15.2	19.7
MATH 25		126	60	20	43	5	19	273
		12.0	10.6	21.7	12.9	16.1	7.8	11.8
M 27,100-ICS 112		139	64	26	25	5	11	274
		13.2	11.3	28.3	8.7	16.1	4.5	11.8
M 130,115-OM 121		74	32	15	10	1	5	137
		7.0	5.7	16.3	3.0	3.2	2.0	5.9
MATH 140		45	29	7	4	1	11	97
		4.3	5.1	7.6	1.2	3.2	4.5	4.2
	COLUMN TOTAL	1050	566	92	333	31	244	2316
		45.3	24.4	4.0	14.4	1.3	10.5	100.0

[a]Includes data for new and transfer students who took the placement tests.

APPENDIX D

BASIC MATH/ENGLISH COMBINATIONS
FOR ENTERING STUDENTS[a] WITH PLACEMENT TEST RESULTS, BY PROGRAM
KAPIOLANI COMMUNITY COLLEGE
FALL 1980

	LIBERAL ARTS 1	BUSINESS 2	HEALTH SERVICES 3	FOOD SVC & HOPER* 4	PUBLIC SERVICE 5	UNCLAS-SIFIED 6	ROW TOTAL
TOTAL RESULTS	1050	566	92	333	31	244	2316
MATH 1. ELI C04	15 1.4	15 2.7	0 0.0	6 1.8	0 0.0	5 2.0	41 1.8
MATH 1. ENG 07	18 1.7	14 2.5	0 0.0	11 3.3	0 0.0	2 0.8	45 1.9
MATH 1. ENG 10	30 2.9	26 4.6	0 0.0	33 9.9	0 0.0	9 3.7	98 4.2
MATH 1. ENG 21	31 3.0	23 4.1	0 0.0	13 3.9	0 0.0	4 1.6	71 3.1
MATH 1. E 22.50	25 2.4	14 2.5	2 2.2	20 6.0	0 0.0	7 2.9	68 2.9
MATH 1. ENG 100	23 2.2	14 2.5	2 2.2	14 4.2	0 0.0	4 1.6	57 2.5
MATH 1. ENG +100	27 2.6	10 1.8	0 0.0	5 1.5	1 3.2	9 3.7	52 2.2
SUBTOTAL	169	116	4	102	1	40	432
MATH 24. ELI 004	9 0.9	3 0.5	0 0.0	4 1.2	0 0.0	1 0.4	17 0.7
MATH 24. ENG 07	8 0.8	7 1.2	0 0.0	4 1.2	0 0.0	2 0.8	21 0.9
MATH 24. ENG 10	20 1.9	16 2.8	0 0.0	15 4.5	0 0.0	1 0.4	52 2.2
MATH 24. ENG 21	32 3.0	17 3.0	0 0.0	13 3.9	0 0.0	3 1.2	65 2.8
MATH 24. E 22.50	42 4.0	19 3.4	0 0.0	10 3.0	0 0.0	3 1.2	74 3.2
MATH 24. ENG 100	35 3.3	26 4.6	2 2.2	12 3.6	1 3.2	8 3.3	84 3.6
MATH 24. E +100	68 6.5	23 4.1	6 6.5	17 5.1	6 19.4	18 7.4	138 6.0
SUBTOTAL	214	111	8	75	7	36	451
MATH 25. ELI 004	3 0.3	5 0.9	0 0.0	0 0.0	0 0.0	0 0.0	8 0.3
MATH 25. ENG 07	1 0.1	1 0.2	0 0.0	0 0.0	0 0.0	1 0.4	3 0.1
MATH 25. ENG 10	12 1.1	13 2.3	0 0.0	5 1.5	0 0.0	2 0.8	32 1.4
MATH 25. ENG 21	19 1.8	10 1.8	0 0.0	7 2.1	0 0.0	3 1.2	39 1.7
MATH 25. E 22.50	20 1.9	7 1.2	2 2.2	6 1.8	0 0.0	4 1.6	39 1.7
MATH 25. ENG 100	25 2.4	10 1.8	1 1.1	16 4.8	0 0.0	1 0.4	53 2.3
MATH 25. E +100	45 4.3	14 2.5	17 18.5	9 2.7	5 16.1	8 3.3	98 4.2
SUBTOTAL	125	60	20	43	5	19	272
LISTED TOTAL	508	287	32	220	13	95	1155
PERCENT	48%	51%	35%	66%	42%	39%	50%

[a]Includes data for new and transfer students who took the placement tests.

APPENDIX E

TABLES RELATED TO PLACEMENT TEST RESULTS AND ENROLLMENT IN MATH AND ENGLISH COURSES, NEW STUDENTS ONLY

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TABLE E-1

PLACEMENT TEST RESULTS AND ENROLLMENT IN MATH AND ENGLISH
LIBERAL ARTS, NEW STUDENTS
KAPIOLANI COMMUNITY COLLEGE
FALL 1980

Placement Test Recommendation Levels	Total (N = 771) N	V%	Enrolled in Level of Course Which Is: Recommended N	H%	Lower N	H%	Higher N	H%	Not Enrolled In N	H%
Math 1	148	19%	76	51%	-		8	5%	64	43%
Math 24, Bus 55	189	25%	90	48%	4	2%	3	2%	92	49%
Math 25	103	13%	13	13%	20	19%	4	4%	66	64%
Math 27, 100; ICS 112	107	14%	17	16%	9	8%	4	4%	77	72%
Math 130; QM 121	68	9%	27	40%	2	3%	3	4%	36	53%
Math 140	41	5%	8	20%	6	15%	8	20%	19	46%
No Score	115	15%								
ELI 4	32	4%	21	66%	-		4	13%	7	22%
Eng 7	33	4%	11	33%	1	3%	7	21%	14	42%
Eng 10	81	11%	35	43%	2	3%	2	3%	42	52%
Eng 21	91	12%	50	55%	4	4%	11	12%	26	29%
Eng 22 or 50	125	16%	69	55%	6	5%	3	2%	47	38%
Eng 100	103	13%	31	30%	5	5%	-		67	65%
Eng +100	187	24%	67	36%	1	1%	-		119	64%
No Score	119	15%								

TABLE E-2

PLACEMENT TEST RESULTS AND ENROLLMENT IN MATH AND ENGLISH
BUSINESS, NEW STUDENTS
KAPIOLANI COMMUNITY COLLEGE
FALL 1980

Placement Test Recommendation Levels	Total (N = 412) N	V%	Enrolled in Level of Course Which Is: Recommended N	H%	Lower N	H%	Higher N	H%	Not Enrolled In N	H%
Math 1	101	25%	50	50%	-		3	3%	48	48%
Math 24; Bus 55	100	24%	21	21%	2	2%	1	1%	76	76%
Math 25	51	12%	2	4%	12	24%	-		37	73%
Math 27, 100; ICS 112	51	12%	4	8%	15	29%	1	2%	31	61%
Math 130; QM 121	26	6%	5	19%	12	46%	-		9	35%
Math 140	26	6%	3	12%	10	39%	2	8%	11	42%
No Score	57	14%								
ELI 4	31	8%	15	48%	-		2	7%	14	45%
Eng 7	24	6%	8	33%	-		-		16	67%
Eng 10	70	17%	22	31%	2	3%	2	3%	44	63%
Eng 21	59	14%	12	20%	3	5%	5	9%	39	66%
Eng 22 or 50	54	13%	13	24%	-		-		41	76%
Eng 100	63	15%	4	6%	11	18%	-		48	76%
Eng +100	54	13%	5	9%	11	20%	-		38	70%
No Score	57	14%								

TABLE E-3

PLACEMENT TEST RESULTS AND ENROLLMENT IN MATH AND ENGLISH
HEALTH SERVICES, NEW STUDENTS
KAPIOLANI COMMUNITY COLLEGE
FALL 1980

Placement Test Recommendation Levels	Total (N = 38) N	V%	Enrolled in Level of Course Which Is: Recommended N	H%	Lower N	H%	Higher N	H%	Not Enrolled In N	H%
Math 1	2	5%	1	50%	-		-		1	50%
Math 24; Bus 55	6	16%	-		2	33%	-		4	67%
Math 25	8	21%	-		1	13%	-		7	88%
Math 27, 100; ICS 112	13	34%	-		1	8%	-		12	92%
Math 130; QM 121	4	11%	1	25%	-		-		3	75%
Math 140	3	8%	-		1	33%	-		2	67%
No Score	2	5%								
ELI 4	-									
Eng 7	-									
Eng 10	-									
Eng 21	-									
Eng 22 or 50	3	8%	-		-		-		3	100%
Eng 100	6	16%	-		-		-		6	100%
Eng +100	27	71%	-		-		-		27	100%
No Score	2	5%								

TABLE E-4

PLACEMENT TEST RESULTS AND ENROLLMENT IN MATH AND ENGLISH
FOOD SERVICES AND HOTEL OPERATIONS, NEW STUDENTS
KAPIOLANI COMMUNITY COLLEGE
FALL 1980

Placement Test Recommendation Levels	Total (N = 280) N	V%	Enrolled in Level of Course Which Is: Recommended N	H%	Lower N	H%	Higher N	H%	Not Enrolled In N	H%
Math 1	97	35%	33	34%	-		5	5%	59	61%
Math 24; Bus 55	74	26%	13	18%	1	1%	-		60	81%
Math 25	39	14%	-		10	26%	-		29	74%
Math 27, 100; ICS 112	27	10%	1	4%	10	37%	-		16	59%
Math 130; QM 121	7	3%	-		4	57%	-		3	43%
Math 140	3	1%	-		1	33%	-		2	67%
No Score	33	12%								
ELI 4	9	3%	1	11%	-		-		8	89%
Eng 7	15	5%	5	33%	-		-		10	67%
Eng 10	56	20%	15	27%	1	2%	1	2%	39	70%
Eng 21	35	13%	6	17%	-		1	3%	28	80%
Eng 22 or 50	40	14%	8	20%	1	3%	-		31	78%
Eng 100	49	18%	2	4%	1	2%	-		46	94%
Eng +100	42	15%	1	2%	1	2%	-		40	95%
No Score	34	12%								

TABLE E-5

PLACEMENT TEST RESULTS AND ENROLLMENT IN MATH AND ENGLISH
UNCLASSIFIED, NEW STUDENTS
KAPIOLANI COMMUNITY COLLEGE
FALL 1980

Placement Test Recommendation Levels	Total (N = 141) N	V%	Enrolled in Level of Course Which Is: Recommended N	H%	Lower N	H%	Higher N	H%	Not Enrolled In N	H%
Math 1	36	26%	13	36%	-		-		23	64%
Math 24; Bus 55	31	22%	-		2	7%	1	3%	28	90%
Math 25	14	10%	3	21%	4	29%	-		7	50%
Math 27, 100; ICS 112	8	6%	4	50%	-		-		4	50%
Math 130; QM 121	4	3%	-		-		-		4	100%
Math 140	7	5%	-		-		1	14%	6	86%
No Score	41	29%								
ELI 4	7	5%	3	43%	-		2	29%	2	29%
Eng 7	6	4%	2	33%	2	33%	-		2	33%
Eng 10	11	8%	5	46%	-		1	9%	5	46%
Eng 21	12	9%	5	42%	-		1	8%	6	50%
Eng 22 or 50	14	10%	3	21%	-		-		11	79%
Eng 100	13	9%	-		-		-		13	100%
Eng +100	37	26%	7	19%	-		-		30	81%
No Score	41	29%								

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